





4) "METHOD AND APPARATUS FOR PROCESSING A SECONDARY SYNCHRONIZATION CHANNEL IN A SPREAD SPECTRUM SYSTEM," ~~Attorney Docket No. 9824-0034-999~~, U.S. patent application Ser. No. 09/772,583, filed on Jan. 29, 2001. The reconfigurable techniques and the allocation of functions to fixed or flexible logic in the several embodiments above provide several examples of how a small and efficient amount of configuration information can change a function to accommodate different communication applications, or protocols. The term 'architecture' describes the electronic devices and coupling arrangements used in configurable hardware kernel plane 201a of FIG. 2B, Kernel K1 261a of FIG. 2C, reconfigurable interconnect 204a of FIG. 2B, and the specific exemplary hardware kernels provided in the aforementioned applications. The coupling arrangements include interconnect routing, grouping, and hierarchy. The various combinations of reconfiguration techniques 211, 221, 231 and 241 of FIG. 2A also describe the architecture of the configurable computation kernel 273a, the reconfigurable interconnect 204a, and the specific exemplary hardware kernels. Devices can include components such as gates, selective interconnects, memory, lines, buses, and a wide range of conventional devices that are chosen and coupled in order to satisfy the functional requirements of a given application. More information on architecture of configurable devices can be found in the text "Software Radio Architecture," by Joseph Mitola III, which is hereby incorporated by reference.

Replace the paragraph beginning on page 24, line 24, with the following rewritten paragraph:

Additional information on one embodiment of a flexible and core portion of a finger function block 82 is provided in co-pending U.S. patent application Ser. No. 09/565,654 entitled "METHOD OF PROFILING DISPARATE COMMUNICATIONS AND SIGNAL PROCESSING STANDARDS AND SERVICES" by Subramanian, ~~attorney docket number 9824-0016-999~~now Pat. No. 6,807,155. This related application is commonly assigned, and is hereby incorporated by reference.

Replace the paragraph beginning on page 28, line 21, with the following rewritten paragraph:

In step 5008 of the present embodiment configuration information is downloaded for the requested communication application. The configuration information is limited to that required to

configure the flexible portions of the function blocks required for a given communication application. Thus, in lieu of communicating configuration information for the entire profile of a communication application, the present invention only sends the configuration information that is necessary to distinguish the given communication application from the core of functionality, e.g. 82a, already provided by the function block, e.g., finger function 82, of a communication device. Configuration information can be generated apriori for a given capability of a communication device and the given communication application. Additional information on configuring of hardware resources is described in co-pending U.S. patent application Ser. No. 09/772,582 entitled "METHOD OF GENERATING A CONFIGURATION FOR A CONFIGURABLE SPREAD SPECTRUM COMMUNICATION DEVICE" by Subramanian et al., ~~attorney docket number 9824-083-999~~ now Pat. No. 6,701,431. This related application is commonly assigned, and is hereby incorporated by reference. Following step 5008, flowchart 5000 proceeds to step 5010.